INFORMATION DISCLOSURE STATEMENT BY APPLICANT

OCT 26 7006

Attorney Docket Number	23-70761-01
Application Number	10/646,264
Filing Date	August 22, 2003
First Named Inventor	Bradley R. Johnson
Art Unit	1762
Examiner Name	David P. Turocy

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
DT		3,883,214	3/1975	Hoffman
		4,095,011	6/1978	Hawrylo et al.
		4,126,732	11/1978	Schoolar et al.
		4,127,414	11/1978	Yoshikawa et al.
		4,234,625	11/1980	Petrov et al.
		4,279,464	7/1981	Columbini
	-	4,296,191	10/1981	Jacobson et al.
		4,368,099	1/1983	Huggett et al.
		4,405,879	9/1983	Ataka et al.
		4,533,593	8/1985	Miyata et al.
		4,840,922	6/1989	Kobayashi et al.
		4,849,070	7/1989	Bly et al.
		4,927,771	5/1990	Ferrett
		5,015,052	5/1991	Ridgeway et al.
		5,581,091	12/1996	Moskovits et al.
$\overline{\mathbf{V}}$		5,591,312	1/1997	Smalley
DT		5,726,524	3/1998	Debe

EXAMINER DATE /David Turocy/ 12/28/2006 SIGNATURE: CONSIDERED:

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

ANFORMATION DISCLOSURE STATEMENT BY APPLICANT

OCT 26 7006

Attorney Docket Number	23-70761-01
Application Number	10/646,264
Filing Date	August 22, 2003
First Named Inventor	Bradley R. Johnson
Art Unit	1762
Examiner Name	David P. Turocy

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
DT		5,783,498	7/1998	Dotta
		5,866,204	2/1999	Robbie et al.
		5,916,642	6/1999	Chang
		6,033,766	3/2000	Block et al.
		6,087,197	7/2000	Eriguchi et al.
:		6,103,540	8/2000	Russell et al.
		6,159,831	12/2000	Thrush et al.
		6,248,674	6/2001	Kamins et al.
		6,313,015	11/2001	Lee et al.
		6,432,740	8/2002	Chen
		6,444,256	9/2002	Musket et al.
		6,458,621	10/2002	Beck
		6,459,095	10/2002	Heath et al.
		6,465,132	10/2002	Jin
$\overline{\mathbf{V}}$		6,586,095	7/2003	Wang et al.
DT		2004/0206448	10/2004	Dubrow

EXAMINER SIGNATURE:	/David Turocy/	DATE CONSIDERED:	12/28/2006
bioliticia.	- ·	CONDIDERCED.	· '

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

•							
LMC:ejv 10	/24/06 23-707	/61-01 13596-E				1 22 707(1 01	
				Attorney Docket Nu		23-70761-01	
				Application Number		10/646,264	
INEQI	RMATION	DISCLOSURE S	TATEMENT	Filing Date		August 22, 2003	
\o,		Y APPLICANT		First Named Invento	or	Bradley R. Johnson	
(123 H			Art Unit		1762	
(0C1	(پېر 266 26			Examiner Name		David P. Turocy	
Enra To	HEMERY OF	FO	REIGN PATEN	T DOCUMENTS			
Examiner's		Country	Number	Publication Date	A	Name of pplicant or Patentee	
	†						
Examiner' Initials*	S Cite No.		TO	HER DOCUMENTS	 -		
10111111		Baidakova et al., "	Nano-scale medi	um-range order in sem	icondu	cting glassy	
\mathtt{DT}		chalcogenides," Jo	ournal of Non-Cry	ystalline Solids, 192 &	193, p	p. 149-152 (1995).	
		Brust et al., "Lang	muir-Blodgett Fil	lms of Alkane Chalcog	genide ((S,Se,Te) Stabilized Gold	
		Nanoparticles," No	ano Letters, Vol.	1, No. 4, pp. 189-191	(2001).	-1 Current of tomory	
		Chae et al., "Option	cal and magnetic f	properties induced by s	structur	ral confinement of ternary rs, Vol. 341, pp. 279-284	
		(2001).	TMCM-41 nanou	ube, Chemicai Physic	S Lelle	73, ¥01. 541, pp. 277-204	
		D'yakonenko et al	"Nanostructure	of the Amorphous File	ms of C	Glass Forming	
		Halcogenide Com	nounds," No. 3, p	p. 57-60 (2003).			
		Hu et al., "Chemis	stry and Physics in	n One Dimension: Syn	nthesis	and Properties of	
		Nanowires and Na	anotubes," <i>Acc. C</i>	hem. Res., Vol. 32, No	o. 5, pp.	. 435-445 (1999).	
		Kikineshi et al., "I	Nanolayered Chal	cogenide Glass Struct	ures for	r Optical Recording,"	
		Pergamon, NanoStructured Materials, Vol. 12, pp. 417-420 (1999).					
		Kolobov et al., "A nanometer scale mechanism for the reversible photostructural change					
		in amorphous chalcogenides," Journal of Non-Crystalline Solids, 232-234, pp. 80-85					
		(1998). Li et al., "Sonochemical synthesis of nanocrystalline lead chalcogenides: PbE					
		(E = S, Se, Te)," I	Materials Researd	ch Bulletin, Vol. 38, pp). 539- <u>5</u>	543 (2003).	
		Li et al., "Room-t	emperature conve	ersion route to nanocry	stalline	e mercury chalcogenides	
		HgE (E = S,Se,Te (1999).	e), Journal of Phys	sics and Chemistry of	Solids,	Vol. 60, pp. 965-698	
		Lieber, "Nanowir	e Superlattices," /	Vano Letters, Vol. 2, N	lo. 2, p	p.81-82 (2002).	
 		Livet al "Growth of amorphous silicon panowires." Chemical Physics Letters, 341,					

\mathbf{V}	pp. 523-528 (2001).		
DT	Malik et al., "Air-Stable Sin	gle-Source Precursors for es," <i>Chem. Mater.</i> , Vol. 1	r the Synthesis of Chalcogenide 3, No. 3, pp. 913-920 (2001).
EXAMINER SIGNATURE:	/David Turocy/	DATE CONSIDERED:	12/28/2006
			spen soo D limb do la ida if not

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

OCT 26 7006

Attorney Docket Number	23-70761-01
Application Number	10/646,264
Filing Date	August 22, 2003
First Named Inventor	Bradley R. Johnson
Art Unit	1762
Examiner Name	David P. Turocy

Examiner's Cittino. Initials PADF (optional)	OTHER DOCUMENTS
DT	Malik et al., "A Simple Route to the Synthesis of Core/Shell Nanoparticles of
	Chalcogenides," Chem. Mater., Vol. 14, No. 5, pp. 2004-2010 (2002).
	Morales et al., "A Laser Ablation Method for the Synthesis of Crystalline Semiconductor Nanowires," Science, Vol. 279, pp. 208-211 (January 9, 1998).
	Nesheva et al., "Nanoparticle layers of CdSe buried in oxide and chalcogenide thin film matrices," <i>Vacuum</i> , Vol. 65, pp. 109-113 (2002).
	Peng et al., "Electrochemical fabrication of ordered Bi ₂ S ₃ nanowire arrays," J. Phys. D: Appl. Phys., Vol. 34, pp. 3224-3228 (2001).
	Peng et al., "Synthesis of highly ordered CdSe nanowire arrays embedded in anodic alumina membrane by electrodeposition in ammonia alkaline solution," <i>Chemical Physics Letters</i> , Vol. 343, pp. 470-474 (2001)
	Qian et al., "Solvent-thermal preparation of nanocrystalline tin chalcogenide," <i>Journal of Physics and Chemistry of Solids</i> , Vol. 60, pp. 415-417 (1999).
	Rajamathi et al., "Oxide and chalcogenide nanoparticles from hydrothermal/solvothermal reactions," <i>Current Opinion in Solid State and Materials Science</i> , Vol. 6, pp. 337-345 (2002).
	Rao et al., "Inorganic nanotubes," Dalton Trans., pp. 1-24 (2003).
	Routkevitch et al., "Electrochemical Fabrication of CdS Nanowire in Porous Anodic Aluminum Oxide Templates," J. Phys. Chem., Vol. 100, No. 33, pp. 14037-14047 (1996).
	Seifert et al., "Stability of Metal Chalcogenide Nanotubes," J. Phys. Chem. B, Vol. 106, No. 10, pp. 2497-2501 (2002).
	Wang et al., "Si nanowires grown from silicon oxide," <i>Chemical Physics Letters</i> , Vol. 299, pp. 237-242 (1999).
	Wang et al., "Transmission electron microscopy evidence of the defect structure in Si nanowires synthesized by laser ablation," <i>Chemical Physics Letters</i> , Vol. 283, pp. 368-372 (1998).
	Yan et al., "Growth of amorphous silicon nanowires via a solid-liquid-solid mechanism," Chemical Physics Letters, Vol. 323, pp. 224-228 (2000).
	Yang et al., "Nanostructured high-temperature superconductors: Creation of strong-pinning columnar defects in nanorod/superconductor composites," <i>J. Mater. Res.</i> , Vol. 12, No. 11, pp. 2981-2996 (Nov. 1997).
DT	Zhang et al., "Synthesis of nanocrystalline lead chalcogenides PbE (E = S, Se, or Te) from alkaline aqueous solutions," <i>Materials Research Bulletin</i> , Vol. 35, pp. 209-215 (2000).

SIGNATURE: /David Turocy/ CONSIDERED: 12/28/2006	EXAMINER SIGNATURE: /David Turocy/	DATE CONSIDERED:	12/28/2006
--	------------------------------------	---------------------	------------

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER SIGNATURE:	/David Turocy/	DATE CONSIDERED:	12/28/2006
	· · · · · · · · · · · · · · · · · · ·		

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.